

CLAIMS:

1. An active display (1, 1') having a display face with active pixels (3, 3r, 3b), in which a radiation-sensitive control unit (4) is locally assigned to each pixel and is adapted to control the light radiation of the pixel in accordance with a signal beam (I) received by the control unit.
2. A display as claimed in claim 1, characterized in that at least one control unit (4) comprises a decoder (9) for extracting digitally encoded information comprised in the received signal beam (I).
3. A display as claimed in claim 1, characterized in that at least one control unit (4) comprises radiation sensors (6r, 6g, 6b) having different spectral sensitivities and is adapted to receive mutually independent parts of the signal beam (I) by means of the radiation sensors.
4. A display as claimed in claim 1, characterized in that at least one pixel (3) comprises one or more light-emitting diodes (3r, 3g, 3b).
5. A display as claimed in claim 1, characterized in that the pixels (3, 3r, 3g, 3b) and/or the control units (4) are connected to electric power supply lines (8, 10) extending through the display face.
6. A display (1) as claimed in claim 1, characterized in that it has plug-in connections for combining it with similar displays (1').
7. A projection device (2) for displaying an image on a projection face, particularly on a display (1, 1') as claimed in claim 1, comprising an optical system for deflecting beams (I) to points on the projection face, the projection device being adapted to digitally encode the image information to be displayed at one point of the projection face into a beam (I) deflected to said point.

8. A method of displaying an image on a projection face, particularly on a display (1, 1') as claimed in claim 1, wherein for each pixel of the image:

- the information defining said pixel is encoded in a signal beam (I);
- 5 - the signal beam (I) is deflected to an associated point on the display face;
- a unit consisting of an active pixel (3) and a control unit (4) arranged at said point on the display face receives the signal beam (I) and supplies light in accordance with the information comprised in the signal beam.

10 9. A method as claimed in claim 8, characterized in that the signal beam (I) comprises the information defining the pixel in a digitally encoded form.

10. A method as claimed in claim 8, characterized in that the signal beam (I) consists of infrared light and/or ultraviolet light.